Title (en)
REGIONAL VIRTUAL VPN

Title (de)
REGIONALES VIRTUELLES VPN

Title (fr)
RÉSEAU PRIVÉ VIRTUEL RÉGIONAL

Publication
EP 2304586 A1 20110406 (EN)

Application
EP 09755662 A 20090526

Priority
- US 2009045155 W 20090526
- US 47119909 A 20090522
- US 5626808 P 20080527

Abstract (en)
[origin: WO2009146300A1] A method, apparatus and article of manufacture for building next generation improved regional virtual private networks over the Internet. The method comprises of building two layers on top of the public infrastructure (001): a network abstraction layer (NAL) (002) and a network virilization layer (NVL) (003): the NVL (003) is built on top of the NAL (002). The NVL (003) consists in Group Domain of Interpretation (GDOI) domain deployments on virtualized hardware aggregators over a NAL (002). The latter consists in point-to-multipoint Generic Routing Encapsulation (GRE) networks over the Internet (001). Both the NVL (003) and NAL (002) can be deployed using advanced unattended provisioning methodology.

IPC 8 full level
G06F 15/16 (2006.01)

CPC (source: EP US)
H04L 9/30 (2013.01 - US); **H04L 12/4641** (2013.01 - EP US); **H04L 12/56** (2013.01 - US); **H04L 45/00** (2013.01 - US); **H04L 45/17** (2022.05 - EP); **H04L 45/64** (2013.01 - EP US)

Citation (search report)
See references of WO 2009146300A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009146300 A1 20091203; **WO 2009146300 A8 20100722**; EP 2289208 A1 20110302; EP 2304586 A1 20110406; US 2009304004 A1 20091210; US 2015010008 A1 20150108; US 2017346657 A1 20171130; US 8837491 B2 20140916; US 9780965 B2 20171003; WO 2009146302 A1 20091203

DOCDB simple family (application)
US 2009045155 W 20090526; EP 09755662 A 20090526; EP 09755664 A 20090526; US 2009045159 W 20090526; US 201414325757 A 20140708; US 201715667253 A 20170802; US 47119909 A 20090522